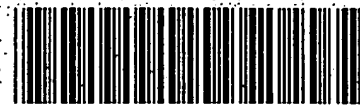


01/16
#5



OIPE

BEST AVAILABLE COPY

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/965,135

DATE: 02/01/2002
TIME: 11:33:28

Input Set : N:\Crf3\RULE60\09965135.raw
Output Set: N:\CRF3\02012002\I965135.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Gunzburg, Walter H.
6 Salmons, Brian
8 (ii) TITLE OF INVENTION: NOVEL RECOMBINANT DNA VECTORS FOR GENE
9 THERAPY

11 (iii) NUMBER OF SEQUENCES: 5

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C.
15 (B) STREET: TWO MILITIA DRIVE
16 (C) CITY: LEXINGTON
17 (D) STATE: MASSACHUSETTS
18 (E) COUNTRY: USA
19 (F) ZIP: 02173

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/09/965,135
C--> 29 (B) FILING DATE: 27-Sep-2001
30 (C) CLASSIFICATION:

32 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: US/08/925,214
34 (B) FILING DATE: 08-SEP-1997

39 (viii) ATTORNEY/AGENT INFORMATION:

40 (A) NAME: Brook, David E.
41 (B) REGISTRATION NUMBER: 22,592
42 (C) REFERENCE/DOCKET NUMBER: GSF97-02

44 (ix) TELECOMMUNICATION INFORMATION:

45 (A) TELEPHONE: (781) 861-6240
46 (B) TELEFAX: (781) 861-9540

49 (2) INFORMATION FOR SEQ ID NO: 1:

51 (i) SEQUENCE CHARACTERISTICS:

52 (A) LENGTH: 58 base pairs
53 (B) TYPE: nucleic acid
54 (C) STRANDEDNESS: single
55 (D) TOPOLOGY: linear

57 (ii) MOLECULE TYPE: other nucleic acid

58 (A) DESCRIPTION: /desc = "DNA"

63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

65 GAACAGCATA TGCAAAATAG ATACAGAGTG CCTTGCGAGA GAGCCTTGAC CAAGTGCA

58

ENTERED

RAW SEQUENCE LISTING

DATE: 02/01/2002

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Output Set: N:\CRF3\02012002\I965135.raw

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67 (2) INFORMATION FOR SEQ ID NO: 2:
68     (i) SEQUENCE CHARACTERISTICS:
69         (A) LENGTH: 28 base pairs
70         (B) TYPE: nucleic acid
71         (C) STRANDEDNESS: single
72         (D) TOPOLOGY: linear
73     (ii) MOLECULE TYPE: other nucleic acid
74         (A) DESCRIPTION: /desc = "DNA"
81     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
83 CGCAGATCTT AGCTTAAGTA ACGCCATT                                28
85 (2) INFORMATION FOR SEQ ID NO: 3:
86     (i) SEQUENCE CHARACTERISTICS:
87         (A) LENGTH: 25 base pairs
88         (B) TYPE: nucleic acid
89         (C) STRANDEDNESS: single
90         (D) TOPOLOGY: linear
91     (ii) MOLECULE TYPE: other nucleic acid
92         (A) DESCRIPTION: /desc = "DNA"
99     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
101 CGCACTAGTT CCGCCAGATA CAGAG                                    25
103 (2) INFORMATION FOR SEQ ID NO: 4:
104     (i) SEQUENCE CHARACTERISTICS:
105         (A) LENGTH: 18 base pairs
106         (B) TYPE: nucleic acid
107         (C) STRANDEDNESS: single
108         (D) TOPOLOGY: linear
109     (ii) MOLECULE TYPE: other nucleic acid
110         (A) DESCRIPTION: /desc = "DNA"
117     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
119 GAGGTACGCA GCGGAACA                                            18
121 (2) INFORMATION FOR SEQ ID NO: 5:
122     (i) SEQUENCE CHARACTERISTICS:
123         (A) LENGTH: 18 base pairs
124         (B) TYPE: nucleic acid
125         (C) STRANDEDNESS: single
126         (D) TOPOLOGY: linear
127     (ii) MOLECULE TYPE: other nucleic acid
128         (A) DESCRIPTION: /desc = "DNA"
135     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
137 TGATGGGCTC ATCCGTTT                                          18

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/965,135

DATE: 02/01/2002

TIME: 11:33:29

Input Set : N:\Crf3\RULE60\09965135.raw

Output Set: N:\CRF3\02012002\I965135.raw

L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]